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	Application Number	10/057.550
TRANSMITTAL	Filing Date	01/25/2002
FORM	First Named Inventor	Brett P. Monia
	Art Unit	1635
(to be used for all correspondence after Initial	Examiner Name	James Schultz
	7 Alterney Docket Number	ISPH-0625
<del>-</del>	ENCLOSURES (Check all )	that apply)  After Allowance Communication to TC
Fee Transmittal Form	Drawing(\$)	<u> </u>
Fee Allached	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences
Amendment/Repty	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
After Final	Petition to Convert to a Provisional Application	Proprietary Information
	Power of Attorney, Revocation Change of Correspondence A	Status Letter
Affidavits/declaration(s)		Other Endosure(s) (please identify
Extension of Time Request	Terminal Disclaimer	below): REQUEST TO CROSS REFERENCE
Express Abandonment Request	Request for Refund	EARLIER RECORDED ASSIGNMENT
Information Disclosure Statement	CD, Number of CD(s)	<del></del>
	Landscape Table on CD	
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Reply to Missing Parts/		OIPE/IAP
Incomplete Application Reply to Missing Parts		2 2 2025
under 37 CFR 1.52 or 1.53		AUG <b>0 2</b> 2005
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name Isis Pharmacourteals, Inc.	>	
Signature		
Printed name Jeson D. Ferrone, J.D.		
Date 07/29/2005	F	Reg. No. 52,887
CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
- Januar Cupar		
Typed or printed name Jamie . Toupa	<i></i>	Date 07/29/2005
This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commitssioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.		

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**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Brett P. Monia

Serial No.: 10/057,550

Group Art Unit: 1635

Filed: 01/25/2002

Examiner: James Schultz

AUG

2 2005

Title: ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAF GENE EXPRESSION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CH CENTER 1600/2900 REQUEST TO CROSS REFERENCE EARLIER RECORDED ASSIGNMENT

Dear Sir:

Applicant respectfully requests that the earlier recorded assignment for the parent application 09/506,073 at Reel/Frame 010745/0011 recorded 04/06/2000, a copy of which is enclosed, be cross referenced with respect to this application.

Respectfully submitted.

andn D. Ferrone, J.D. Registration No. 52,887

Date: July 29, 2005

ISIS PHARMACEUTICALS, INC 1896 Rutherford Road Carlsbad, CA 92008

Ph: 760-603-2722 Fax: 760-603-3820

ISPH-0434

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER

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LAW OFFICES OF JANE MASSEY LICATA JANE MASSEY LICATA, ESQ. 66 E. MAIN STREET MARLTON, NEW JERSEY 08053



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/06/2000

REEL/FRAME: 010745/0011

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MONIA, BRETT P.

DOC DATE: 03/17/2000

ASSIGNEE:

ISIS PHARMACEUTICALS INC. 2292 FARADAY AVENUE CARLSBAD RESEARCH CENTER CARLSBAD, CALIFORNIA 92008

SERIAL NUMBER: 09506073

PATENT NUMBER:

FILING DATE: 02/18/2000

ISSUE DATE:

MARY BENTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



05-04-2000 PARTMENT OF COMMERCE **FORM PTO-1595** Patent and Trademark Office 1-31-92 Docket to: ISPH-0434 101344461 RECORDATION FORM COVER SHEET PATENTS ONLY ID NO: To The Honorable Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Isis Pharmaceuticals Inc. Brett P. Monia 4-1-08 Internal Address: Carlsbad Research Center Street Address: 2292 Faraday Avenue Additional name(s) of conveying party(ies) City: Carlsbad attached? State: California ( ) YES (XX) NO 3. Nature of Conveyance: Additional names (s) & address attached? (XX) Assignment () Merger ( ) YES (XX) NO ( ) Name Change ( ) Security Agreement ( ) Other: Execution date: March 17, 2000 4. Application number(s) or patent number(s): A. Patent Application No(s). 09/506,073 B. Patent No(s). FILED February 18, 2000 If this document is being filed together with a new application, the execution date of the application is: Additional numbers attached? ( ) YES (XX) NO 6. Total number of applications and patents involved: One (1) 5. Name and address of party to whom correspondence concerning documents should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Jane Massey Licata, Esq. Law Offices of Jane Massey Licata ( ) Enclosed 66 E. Main Street (XX) Authorized to be charged to deposit account. Marlton, New Jersey 08053 8. Deposit Account number: 12-1086 05/04/2000 DCDRTES 00000067 121086 09506073 (Attach duplicate copy of this page if paying by deposit 01 FC:581 40.60 CH account.) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Kathleen A. Tyrrell, Reg. No. 38,350 Name of Person Signing Signature Takker A. June March 30, 2000 Total number of pages comprising cover sheet, attachments, and document: Four Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** 

Washington, D.C. 20231

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## ASSIGNMENT

WHEREAS, I, Brett P. Monia, of LaCosta, State of California, am the inventor of a certain invention entitled Antisense Oligonucleotide Modulation of raf Gene Expression, for which I have made application for Letters Patent of the United States, said application having been filed February 18, 2000 and assigned Application No. 09/506,073; and

WHEREAS, ISIS Pharmaceuticals, Inc. hereinafter referred to as the assignee, of 2292 Faraday Avenue, Carlsbad CA, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in my name applications for Letters Patent in all

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→ PATENT OFFICE

countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said nominees. or assignee, its successors, assigns, representatives, and I agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any

ASSIGNMENT - PAGE 2 OF A

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and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hands and seals.

State of California ss. County of San Diego

On this 17th day of Warch, 2000, before me, the undersigned, a Notary Public for the state, personally appeared Brett P. Monia, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that ne/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.

Signature of Notary

LANE B.D. SCHWARTZ Commission # 1196197 Notary Public - California San Diego County My Comm. Expires Sep 13, 2002

WITNESS my hand and official seal.

ASSIGNMENT - PAGE 3 OF 4